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GenCor[®] version 4.5

Run on: June 26, 2001, 16:30:29 ; search time 57.86 seconds

(Without alignments) updates/sec

Title: US-09-484-629A-2

Perfect score: 100⁴

Sequence: 1 MRLALNRLAARRGGQPTEL..... LDSPRSYNNWAVTKEQVNR 200

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 412676 seqs, 60623988 residues

Total number of hits satisfying chosen parameters: 412676

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

A_Geneseq_0601:*

1: /SIDS8/gcgata/geneseq/geneseq/AA1980.DAT;*: 7
 2: /SIDS8/gcgata/geneseq/geneseq/AA1981.DAT;*: 7
 3: /SIDS8/gcgata/geneseq/geneseq/AA1982.DAT;*: 7
 4: /SIDS8/gcgata/geneseq/geneseq/AA1983.DAT;*: 7
 5: /SIDS8/gcgata/geneseq/geneseq/AA1984.DAT;*: 7
 6: /SIDS8/gcgata/geneseq/geneseq/AA1985.DAT;*: 7
 7: /SIDS8/gcgata/geneseq/geneseq/AA1986.DAT;*: 7
 8: /SIDS8/gcgata/geneseq/geneseq/AA1988.DAT;*: 7
 9: /SIDS8/gcgata/geneseq/geneseq/AA1987.DAT;*: 7
 10: /SIDS8/gcgata/geneseq/geneseq/AA1989.DAT;*: 7
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 13: /SIDS8/gcgata/geneseq/geneseq/AA1992.DAT;*: 7
 14: /SIDS8/gcgata/geneseq/geneseq/AA1993.DAT;*: 7
 15: /SIDS8/gcgata/geneseq/geneseq/AA1994.DAT;*: 7
 16: /SIDS8/gcgata/geneseq/geneseq/AA1995.DAT;*: 7
 17: /SIDS8/gcgata/geneseq/geneseq/AA1996.DAT;*: 7
 18: /SIDS8/gcgata/geneseq/geneseq/AA1997.DAT;*: 7
 19: /SIDS8/gcgata/geneseq/geneseq/AA1998.DAT;*: 7
 20: /SIDS8/gcgata/geneseq/geneseq/AA1999.DAT;*: 7
 21: /SIDS8/gcgata/geneseq/geneseq/AA2000.DAT;*: 7
 22: /SIDS8/gcgata/geneseq/geneseq/AA2001.DAT;*: 7

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1004	100.0	21 AAY69370	A 5'-OR EST (oxyto
2	904	90.0	21 AAY69372	A mouse 5'-OR EST
3	687	68.4	205 21 AAY69371	A human 5'-OR EST
4	135	41	21 AAY69373	A deleted 5'-OR ES
5	134	41	21 AAY69375	Fragment of a muta
6	126	1299	21 AAY58633	protein regulating
7	125	126	21 AAG07935	Arabidopsis thalia
8	125	125	176 21 AAG48183	Arabidopsis thalia
9	125	125	176 21 AAG48204	Arabidopsis thalia
10	125	125	195 21 AAG07934	Arabidopsis thalia
11	125	125	195 21 AAG48182	Arabidopsis thalia

SUMMARIES

ALIGNMENTS

PT New anti-obesity polypeptide useful for treating obesity or infertility
XX in mammals -
XX
PS Claim 1: Page 116-117; 162pp; English.
CC The present sequence represents a 5'-or-EST (oxytoxin expressed sequence
CC obesity and fertility in males). 5'-or EST nucleic acids are useful
tag) polypeptide. The 5'-or EST gene is involved in the control of
CC for producing transgenic animals. The transgenic animals created serve
CC as a model for human late onset obesity and other related disorders and
CC are also used for identifying the genetic cause of obesity. Compounds
CC which modulate 5'-or EST expression or activity are useful in the
CC treatment or modulation of late onset visceral obesity or male
CC infertility, particularly in the disorders related to tissue conditions
CC such as wasting, or anorexia, or cachexia associated with prolonged
CC illness, or malabsorptive states or catabolic states associated with
CC other diseases such as inflammatory conditions, Crohn's disease or
CC AIDS wasting, or burns, or cancer, or bone disease.
XX

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Query Match 100.0%; Score 1004; DB 21; Length 200;
Best Local Similarity 100.0%; Pmis. 1.5e-87;
Matches 200; Conservative 0; Mismatches 0; Indels 0;
Gaps 0; -

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CC XX AIDS wasting, or burns, or cancer, or bone disease.
SQ sequence 200 MA;

OY	1	MRLANLRLAARPGCGOPTTLLPVGRKTRDPPAKSKVGRKHPAPYDPAELFULTERY	60
Db	1	mrlanlrlaarpgcgopttllpvgrktrdppaksygrkvkappavdpafvlfery	60
OY	61	ROYRTVYRURRETTLEVGRKHEARGVLERKQEA,REHQEILMANNREERRQLER	120
Db	61	rkyetrvvallefltergkheargvlerkqea,leflmavnenrrqel	120
OY	121	TARLQLEQAGNEQRAEVQARQAEQZAWWVOLKEDEVLKIQEEAKNFNTRENEARTEA	180
Db	121	larlqegeaqrlrqeqaqeqawqqlkeqevkigeeaknfntreneeareea	180
OY	181	LDPSPSYNNWATKEGQWNR	200
Db	181	ldspsynwawtkeqgnr	200
RESULT	2		7
ID	AY69372		
XX	AY69372 standard; Protein: 200 AA.		
AC	AY69372;		
XX			
DR	19-JUN-2000 (first entry)		
DE	A mouse 5'-OT EST (oxytoxin expressed sequence tag) protein.		
XX			
KW	Oxytoxin expressed sequence tag; 5'-OT EST; obesity; fertility; male; transgenic animal; human; late onset obesity; late onset visceral obesity; male infertility; wasting; anorexia; cachexia; malabsorptive state; catabolic state; inflammatory condition; Crohn's disease; AIDS wasting; burn; cancer; bone disease.		
KW			
OS	Mus sp.		
XX			
PN	WO200009686-A1.		
XX			
PD	24-FEB-2000.		
XX			
PF	12-AUG-1999;	99NO-GB02658.	
XX			
PR	12-AUG-1998;	98GB-0017566.	
XX	06-MAY-1999;	99GB-0010522.	
XX	(MEDI-) MEDICAL RES COUNCIL.		
PI	robinson ICAF, Stoye JP, Flavell D, Wells SE, Le Tissier P;		

RESULT 3
AY69371
ID AAY69371 standard; Protein: 205 AA.
XX
AC AAY69371:
XX
DT 19-JUN-2000 (first entry)
DE A human 5'-OR EST (oxytoxin expressed sequence tag) protein.
XX
KW Oxytoxin expressed sequence tag; 5'-OR EST; obesity; fertility; male;
KW transgenic animal; human late onset obesity; late onset visceral obesity;
KW male infertility; wasting; anorexia; cachexia; malabsorption state;
KW cathepsin B; inflammatory condition; Crohn's disease; AIDS wasting;
KW burn; cancer; bone disease.
OS Homo sapiens.
XX
PN WO200009686-A1.
XX
PD 24-FEB-2000.
XX
PF 12-AUG-1999; 99WO-GB02658.
XX
PR 12-AUG-1998; 99GB-001766.
06-MAY-1999; 99GB-0010522.
PR

